

## CLAIMS

1. Method for transmitting signals from a source address in a first domain (1) via a public domain (3) to a destination address in a second domain (2), characterised in that said method comprises the steps of

- 5 (a) in said first domain (1), in response to said destination address in said second domain (2), generating a temporary address in said first domain (1) for routing signals in said first domain (1),
- 10 (b) in said first domain (1), in response to said temporary address in said first domain (1), generating said destination address in said second domain (2) for signals leaving said first domain,
- (c) in said first domain (1) or in said public domain (3), adding a public source address defining at least a part of said first domain (1) and adding a public destination address defining at least a part of said second domain (2),
- 15 (d) in said public domain (3) or in said second domain (2), removing said public source address and removing said public destination address, and
- (e) in said second domain (2), in response to said source address in said first domain (1), generating a temporary address in said second domain (2) for routing signals in said second domain (2).

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2. Method according to claim 1, characterised in that said source address in said first domain (1) and said temporary address in said first domain (1) and said destination address in said second domain (2) and said temporary address in said second domain (2) form parts of headers (51,52,53,55,56), with said public source address and said public destination address in step (c) forming part of an outer header (54).

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3. Method according to claim 1 or 2, characterised in that steps (a) and (b) take place in a border unit (13,14) in said first domain (1), with step (e) taking place in a border unit (23,24) in said second domain (2).

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4. Method according to claim 1, 2 or 3, characterised in that said method comprises the steps of

(f) in said first domain (1) or in said public domain (3), in response to a source address in said first domain (1), generating a public source address, and

5 (g) in said public domain (3) or in said second domain (2), in response to a public destination address, generating a destination address in said second domain (2).

10 5. Method according to claim 4, characterised in that said source address in said first domain (1) and said public source address define a border unit (13,14) in said first domain (1), with said public destination address and said destination address in said second domain (2) defining a border unit (23,24) in said second domain (2).

15 6. Method according to claim 4 or 5, characterised in that step (f) takes place in a border unit (13,14) in said first domain (1), with step (g) taking place in a border unit (23,24) in said second domain (2).

20 7. Server for use in a method as defined in claim 1, characterised in that said server comprises a generator for, in response to said destination address in said second domain (2), generating said temporary address in said first domain (1) for routing signals in said first domain (1).

25 8. Processor program product for use in a server as defined in claim 7, characterised in that said processor program product comprises the function of, in response to said destination address in said second domain (2), generating said temporary address in said first domain (1) for routing signals in said first domain (1).

30 9. Further server for use in a method as defined in claim 1, characterised in that said further server comprises a generator for, in response to said source address in said first domain (1), generating said temporary address in said second domain (2) for routing signals in said second domain (2).

10. Further processor program product for use in a further server as defined in  
claim 9, characterised in that said further processor program product comprises the  
function of, in response to said source address in said first domain (1), generating a  
temporary address in said second domain (2) for routing signals in said second  
domain (2).

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